

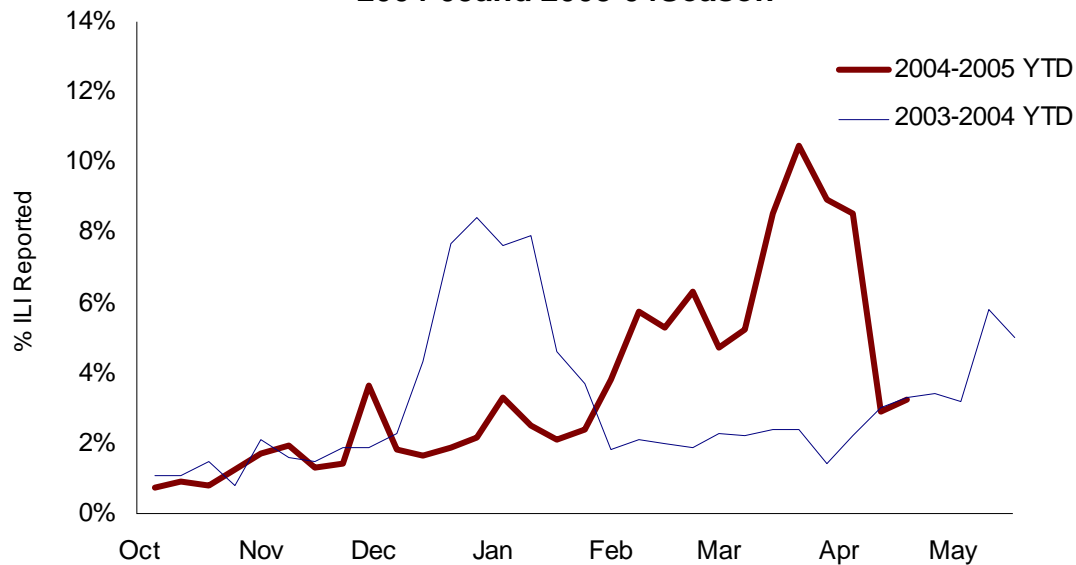
Hawai'i Influenza Surveillance Week 16, 2005

(Week ending 4/23/05)

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I. Influenza-like illness (ILI) Activity* :

Comparison of Percent Influenza-Like Illness (ILI) Seen in Hawaii Sentinel Physician* Practices: 2004-05 and 2003-04 Season

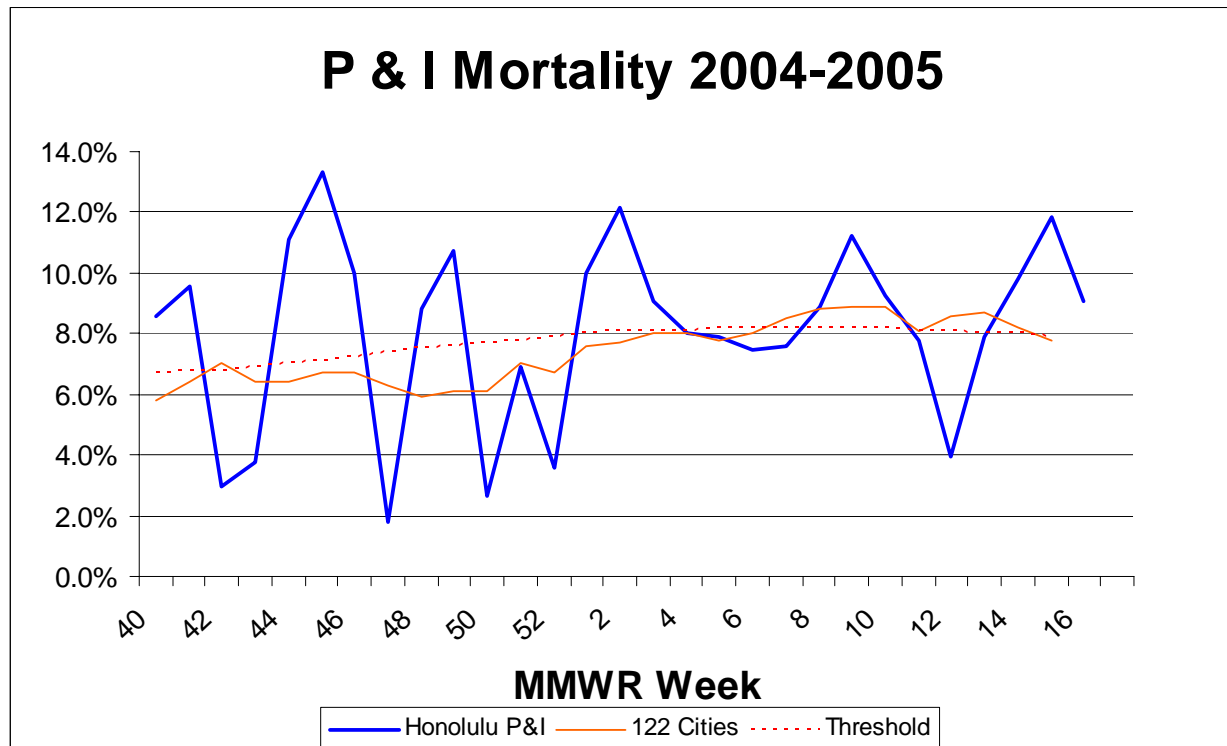


MMWR	WEEKEND	ILI	PATIENT	2004-2005 YTD
44	11/6/2004	20	1178	1.7%
45	11/13/2004	26	1352	1.9%
46	11/20/2004	17	1277	1.3%
47	11/27/2004	15	1037	1.4%
48	12/4/2004	57	1570	3.6%
49	12/11/2004	26	1432	1.8%
50	12/18/2004	23	1401	1.6%
51	12/25/2004	16	854	1.9%
52	1/1/2005	19	878	2.2%
1	1/8/2005	54	1635	3.3%
2	1/15/2005	44	1748	2.5%
3	1/22/2005	31	1453	2.1%
4	1/29/2005	40	1672	2.4%
5	2/5/2005	56	1460	3.8%
6	2/12/2005	82	1430	5.7%
7	2/19/2005	76	1443	5.3%
8	2/26/2005	87	1382	6.3%
9	3/5/2005	60	1265	4.7%
10	3/12/2005	74	1410	5.2%
11	3/19/2005	78	912	8.6%
12	3/26/2005	78	743	10.5%
13	4/2/2005	75	840	8.9%
14	4/9/2005	64	752	8.5%
15	4/16/2005	20	691	2.9%
16	4/23/2005	12	373	3.2%

Nationally, during week 15 **1.2%** of patient visits to U.S. sentinel providers were due to ILI. This percentage is considerably **below** the national baseline of 2.5%. Hawaii was **higher** with **2.9%** in week 15 and also exceeds the national baseline of 2.5%.

* Data is continuously updated by Sentinel Physicians and recent week's percentages are likely to change

II. Pneumonia & Influenza Mortality:

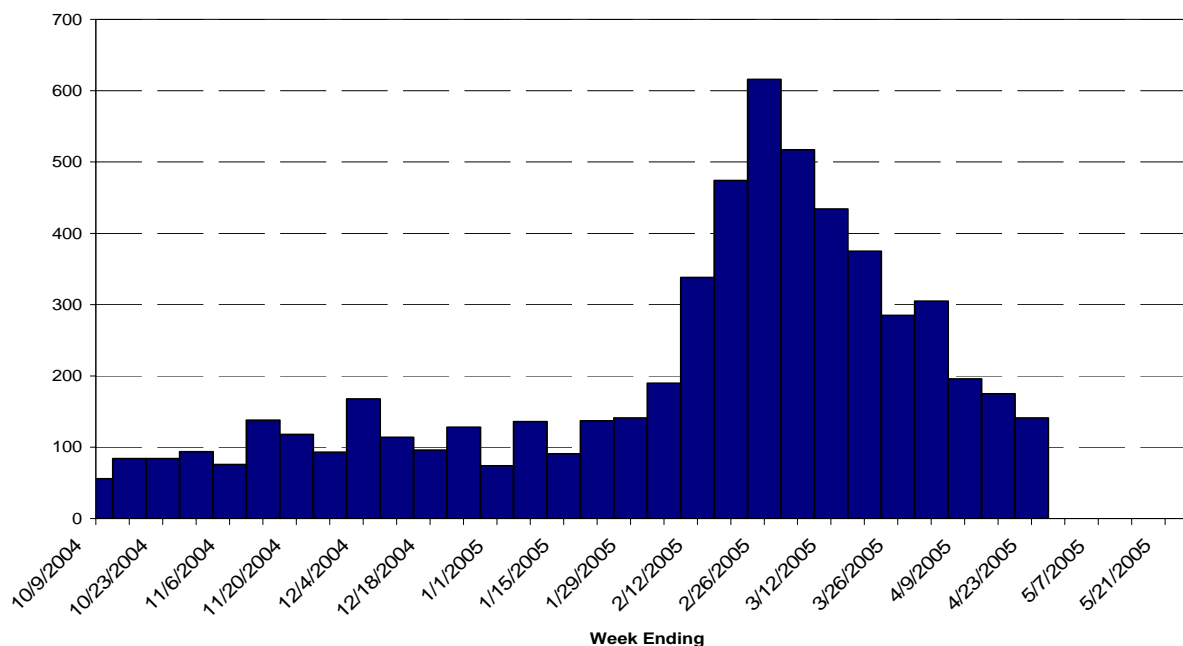


WEEK	ENDING	P&I	Total	Honolulu P&I	122 Cities	Threshold
40	10/9/2004	6	70	8.6%	5.8%	6.7%
41	10/16/2004	7	73	9.6%	6.4%	6.8%
42	10/23/2004	2	67	3.0%	7.0%	6.8%
43	10/30/2004	3	80	3.8%	6.4%	6.9%
44	11/6/2004	8	72	11.1%	6.4%	7.0%
45	11/13/2004	10	75	13.3%	6.7%	7.1%
46	11/20/2004	9	90	10.0%	6.7%	7.2%
47	11/27/2004	1	55	1.8%	6.3%	7.4%
48	12/4/2004	8	91	8.8%	5.9%	7.5%
49	12/11/2004	9	84	10.7%	6.1%	7.6%
50	12/18/2004	2	75	2.7%	6.1%	7.7%
51	12/25/2004	4	58	6.9%	7.0%	7.8%
52	1/1/2005	2	56	3.6%	6.7%	7.9%
1	1/8/2005	10	100	10.0%	7.6%	8.0%
2	1/15/2005	8	66	12.1%	7.7%	8.1%
3	1/22/2005	8	88	9.1%	8.0%	8.1%
4	1/29/2005	8	100	8.0%	8.0%	8.1%
5	2/5/2005	7	89	7.9%	7.8%	8.2%
6	2/12/2005	7	94	7.4%	8.0%	8.2%
7	2/19/2005	6	79	7.6%	8.5%	8.2%
8	2/26/2005	7	79	8.9%	8.8%	8.2%
9	3/5/2005	10	89	11.2%	8.9%	8.2%
10	3/12/2005	9	97	9.3%	8.9%	8.2%
11	3/19/2005	6	77	7.8%	8.1%	8.1%
12	3/26/2005	3	76	3.9%	8.6%	8.1%
13	4/2/2005	8	101	7.9%	8.7%	8.0%
14	4/9/2005	9	92	9.8%	8.2%	8.0%
15	4/16/2005	9	76	11.8%	7.8%	7.9%
16	4/23/2005	9	99	9.1%	n/a	n/a

There were no deaths attributed directly to influenza in week 16. Mortality in Hawaii was HIGHER than 122 cities during week 14-16 and also above the threshold. National data not yet available for week 16.

III. Laboratory Surveillance

Specimens Submitted to SLD by Week 2004-05 Season

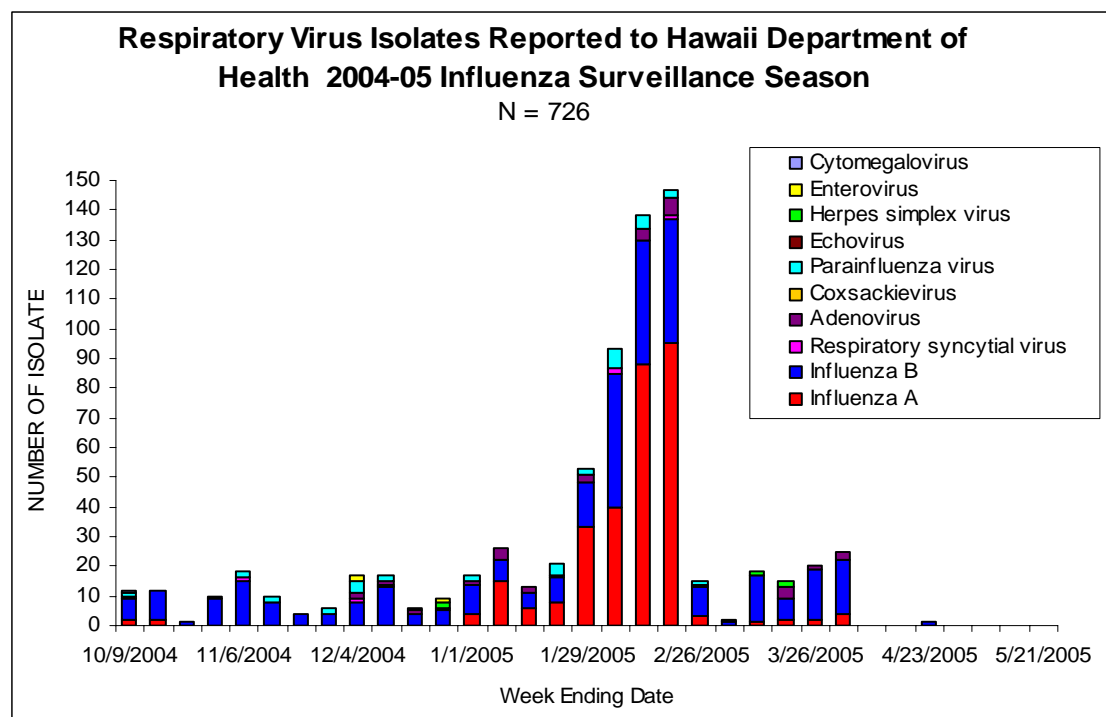


Specimen Submissions:

MMWR WEEK	WEEK ENDING	WEEKLY Total	AGE <1	1 - 4	5 - 24	25 - 44	45 - 64	>= 65	UNK
44	11/6/2004	76	9	12	27	12	10	6	0
45	11/13/2004	138	10	14	61	17	21	14	1
46	11/20/2004	118	13	17	54	11	9	9	5
47	11/27/2004	93	8	15	39	9	6	11	5
48	12/4/2004	168	18	33	46	13	19	29	10
49	12/11/2004	114	11	15	34	17	21	12	4
50	12/18/2004	96	10	10	29	16	11	16	4
51	12/25/2004	128	5	21	49	17	14	21	1
52	1/1/2005	74	11	11	23	7	8	13	1
1	1/8/2005	136	4	16	43	35	17	18	3
2	1/15/2005	91	2	11	24	13	24	17	0
3	1/22/2005	137	8	18	53	22	18	15	3
4	1/29/2005	141	6	13	49	29	20	23	1
5	2/5/2005	190	6	23	80	38	26	12	5
6	2/12/2005	338	23	52	143	46	38	28	8
7	2/19/2005	474	36	64	197	72	47	49	9
8	2/26/2005	616	60	130	209	86	52	65	14
9	3/5/2005	517	46	77	160	73	73	80	8
10	3/12/2005	434	58	85	140	60	42	42	7
11	3/19/2005	375	47	86	120	39	35	43	5
12	3/26/2005	285	45	79	78	34	19	21	9
13	4/2/2005	305	48	68	93	31	27	30	8
14	4/9/2005	196	25	38	73	24	14	18	4
15	4/16/2005	175	22	23	61	19	18	31	1
16	4/23/2005	141	10	26	56	21	12	14	2

During same period last season **3800** specimens were submitted while **5733** have been submitted so far this season. The majority of specimens for the current season were submitted between week 7 and week 11 which represents **42% (2416)** of all specimens submitted this season.

Virus Isolation Results†:



2004-05

WEEK	ENDING	INFL A	INFL B
40	10/9/2004	2	7
41	10/16/2004	2	10
42	10/23/2004	0	1
43	10/30/2004	0	9
44	11/6/2004	0	15
45	11/13/2004	0	8
46	11/20/2004	0	4
47	11/27/2004	0	4
48	12/4/2004	0	8
49	12/11/2004	0	13
50	12/18/2004	0	4
51	12/25/2004	0	5
52	1/1/2005	4	10
1	1/8/2005	16	6
2	1/15/2005	6	5
3	1/22/2005	8	8
4	1/29/2005	33	15
5	2/5/2005	40	45
6	2/12/2005	88	42
7	2/19/2005	95	39
8	2/26/2005	3	10
9	3/5/2005	0	1
10	3/12/2005	1	16
11	3/19/2005	2	7
12	3/26/2005	2	17
13	4/2/2005	4	18

2003-04

WEEK	ENDING	INFL A	INFL B
41	10/11/2003	1	0
42	10/18/2003	1	0
43	10/25/2003	1	0
44	11/1/2003	1	0
45	11/8/2003	2	0
46	11/15/2003	4	0
47	11/22/2003	13	0
48	11/29/2003	9	0
49	12/6/2003	61	0
50	12/13/2003	52	0
51	12/20/2003	86	0
52	12/27/2003	102	0
53	1/3/2004	88	1
1	1/10/2004	106	0
2	1/17/2004	52	2
3	1/24/2004	35	0
4	1/31/2004	4	0
5	2/7/2004	7	0
6	2/14/2004	1	0
7	2/21/2004	4	0
8	2/28/2004	0	1
9	3/6/2004	1	0
10	3/13/2004	0	1
11	3/20/2004	0	3
12	3/27/2004	0	0
13	4/3/2005	1	2

† Virus isolation requires a minimum of 14 days, therefore current virus counts are likely to increase.

Geography of Week 7- 14 Positive Influenza Isolates[†]:

Influenza A isolates:

Oahu: 37 Honolulu, 8 Waipahu, 1 Kapolei, 3 Kaneohe, 3 Mililani, 3 Pearl City, 1, Ewa Beach, 1 Kailua, 1 Laie, 1 Waianae

Kauai: 2 Kapaa, 1 Hanalei, 1 Koloa

Hawaii: 2 Kealahou, 1 Pahoehoe

Maui: 1 Makawao, 1 Puunene

Influenza B isolates:

Oahu: 13 Honolulu, 1 Mililani, 1 Waianae, 2 Waipahu, 2 Aiea, 1 Wahiawa

Maui: 2 Paia, 3 Wailuku, 1 Kahului

Kauai: 2 Lihue

[†] For positive isolates, where geographic identifiers were available. Sum will not equal total positive isolates.

Sub-typing Information Available for Positive Isolates^{*}:

293 infl A are characterized as (H3N2) 4 identified as A/Korea-like (similar A/Fujian) 2 identified as A/California-like

10 infl B are sub-typed as B/Hong Kong/330/01-like and 1 infl Bas B/Shanghai/02-like

^{*} Please note that sub-typing counts do not include Tripler data.

IV. Clustered ILI Activity

Oahu: One report of ILI activity in school

Maui: One report of ILI activity in school

V. Activity Code

Local Activity*

*Reported Influenza Activity is defined as below:

Activity Level	ILI activity*/Outbreaks		Laboratory data
No activity	Low	And	No lab confirmed cases [†]
Sporadic	Not increased	And	Isolated lab-confirmed cases
	OR		
Local	Not increased	And	Lab confirmed outbreak in one institution [†]
	Increased ILI in 1 region**; ILI activity in other regions is not increased	And	Recent (within the past 3 weeks) lab evidence of influenza in region with increased ILI
Regional	OR		
	2 or more institutional outbreaks (ILI or lab confirmed) in 1 region; ILI activity in other regions is not increased	And	Recent (within the past 3 weeks) lab evidence of influenza in region with the outbreaks; virus activity is no greater than sporadic in other regions
Widespread	Increased ILI in ≥ 2 but less than half of the regions	And	Recent (within the past 3 weeks) lab confirmed influenza in the affected regions
	OR		
	Institutional outbreaks (ILI or lab confirmed) in ≥ 2 and less than half of the regions	And	Recent (within the past 3 weeks) lab confirmed influenza in the affected regions
	Increased ILI and/or institutional outbreaks (ILI or lab confirmed) in at least half of the regions	And	Recent (within the past 3 weeks) lab confirmed influenza in the state.

Avian Influenza Update:

Cumulative Number of Confirmed Human Cases of Avian Influenza A/(H5N1) since 28 January 2004

12 April 2005

Country/ Territory	Total cases	Deaths
Cambodia	3	3
Thailand	17	12
Viet Nam	60	35
Total	80	50

14 April 2005

*April 14, 2005, **Viet Nam** provided WHO with official confirmation of an additional **eight** human cases of H5N1 avian influenza. Two of the cases were recently detected, between April 2 and 8th, in Hung Yen and Ha Tay Provinces, respectively. Both patients are alive. The other six cases are thought to have been detected prior to 2 April. WHO is seeking further details from the authorities on these six cases.

Since mid-December 2004, 41 cases from 18 cities and provinces have been detected in Viet Nam (16 have died and six remain under treatment).

*April 4, **Viet Nam** has confirmed five additional cases of human infection with the H5 subtype of avian influenza virus. All five cases are in a family from the northern port city of Haiphong. The cluster includes the 35-year-old father, the 33-year-old mother, and their three daughters, aged 13 years, 10 years, and 4 months.

Updates can be found at WHO website:

http://www.who.int/csr/disease/avian_influenza/en/